

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,028,867 B2  
APPLICATION NO. : 10/697193  
DATED : April 18, 2006  
INVENTOR(S) : Howard Acum et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 4, line 2 reads "...sures. The program control being further operable to under..." and should read -- ...sures. The program control being further operable under... --.

Column 4, line 43 reads "...principals of the present invention." and should read --...principles of the present invention. --.

Column 8, lines 24-25 read "...desired liquid pressure. The timing of both the air and liquid command signals are independently chosen with respect to..." and should read --...desired liquid pressure. The timing of both the air and liquid command signals is independently chosen with respect to... --.

Column 10, lines 11-12 read "In practice, the angle of the spaces and the assist air pressure used is application dependent and for any particular appli..." and should read -- In practice, the angle of the spaces and the assist air pressure used are application dependent and for any particular appli... --.

Column 10, line 42 reads "...downward direction. Either affect may dominate depending..." and should read -- ...downward direction. Either effect may dominate depending... --.

Column 11, line 51 reads "...however, the flow must not so great as to blow material out..." and should read -- ...however, the flow must not be so great as to blow material out... --.

Column 14, lines 14-15 read "...automated cleaning of the air cap distal end 115 and orifice 121" and should read -- ...automated cleaning of the air cap distal end 115 and orifice 121. --.

Column 14, line 42 reads "...restrict, nor in any way limit the scope of the appended..." and should read -- ...restrict or in any way limit the scope of the appended... --.

Column 17, CLAIM 7, line 37 reads "...nozzle the tubular cap comprising ..." and should read -- ...nozzle, the tubular cap comprising ... --.

Column 17, CLAIM 8, line 62 reads "...a seat disposed 1 in the distal end of the nozzle;" and should read -- ...a seat disposed in the distal end of the nozzle; --.

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Column 18, CLAIM 17, lines 60-61 read "...nozzle comprising a bore receiving the needle and a distal;" and should read -- ...nozzle comprising a bore receiving the needle and a distal end; --.

Column 19, CLAIM 20, lines 26-27 read

"...in the nozzle, the applicator comprising a tubular air cap

disposed around the nozzle and comprising..." and should read

-- ...in the nozzle, the applicator comprising:

a tubular air cap disposed around the nozzle and comprising... --.

Column 19, CLAIM 20, line 34 reads "...a distal end forming a fluid outlet with nozzle." and should read -- ...a distal end forming a fluid outlet with the nozzle. --.

Signed and Sealed this

Fifth day of September, 2006

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*